

PATENT

CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An apparatus for providing configurable functionality to a communication device, comprising:

a memory for storing a plurality of software modules, each of said plurality of software modules for providing a specific functionality for said communication device;

a host processor for receiving a command to set up a communication, said command comprising information relating to a type of communication desired, for selecting at least one of said plurality of software modules based on the type of communication desired, and for loading said at least one of said plurality of software modules into a digital signal processor, wherein said software modules are selected from the group comprising of a first multi-media module, a second multi-media module, a first cipher algorithm, a second cipher algorithm, a first audio front-end module, a second front-end module, a first DSP interface, a second DSP interface, a first secure communication module, a second secure communication module, a first synchronous communication module, a second synchronous communication module, a first asynchronous communication module, a second asynchronous communication module, a voice communication module, and a data communication module; and

said digital signal processor for storing said at least one of said plurality of software modules and for executing said at least one of said plurality of software modules to provide said desired communication type.

2. (Canceled)

3. (Canceled)

4. (Currently Amended) A method for providing configurable functionality to a communication device, comprising:

PATENT

storing a plurality of software modules, each of said plurality of software modules for providing a specific functionality for said communication device;

receiving a command to set up a communication, said command comprising information relating to a desired type of communication;

selecting at least one of said plurality of software modules based on the desired type of communication, wherein said software modules are selected from the group comprising of a first multi-media module, a second multi-media module, a first cipher algorithm, a second cipher algorithm, a first audio front-end module, a second front-end module, a first DSP interface, a second DSP interface, a first secure communication module, a second secure communication module, a first synchronous communication module, a second synchronous communication module, a first asynchronous communication module, a second asynchronous communication module, a voice communication module, and a data communication module;

loading said at least one of said plurality of software modules into a digital signal processor; and

executing said at least one of said plurality of software modules to provide said desired communication type.

5. (Canceled)

6. (Currently Amended) An apparatus for providing configurable functionality to a communication device, comprising:

means for storing a plurality of software modules, each of said plurality of software modules for providing a specific functionality for said communication device;

means for receiving a command to set up a communication, said command comprising information relating to a desired type of communication;

means for selecting at least one of said plurality of software modules based on the desired type of communication, wherein said software modules are selected from the group comprising of a first multi-media module, a second multi-media module, a first cipher algorithm, a second cipher algorithm, a first audio front-end module, a second

PATENT

front-end module, a first DSP interface, a second DSP interface, a first secure communication module, a second secure communication module, a first synchronous communication module, a second synchronous communication module, a first asynchronous communication module, a second asynchronous communication module, a voice communication module, and a data communication module;

means for loading said at least one of said plurality of software modules into a digital signal processor; and

means for executing said at least one of said plurality of software modules to provide said desired communication type.

7. (Canceled)

8. (Currently Amended) An apparatus for providing configurable functionality to a communication device, comprising:

a memory for storing a plurality of software modules, each of said plurality of software modules for providing a specific functionality for said communication device;

a host processor for receiving a command to set up a communication, said command comprising information relating to a desired type of communication, for selecting at least one of said plurality of software modules based on the desired type of communication, and for loading said at least one of said plurality of software modules into a digital signal processor, said desired type of communication being one of a multimedia communication, wherein said software modules are selected from the group comprising of a first multi-media module, a second multi-media module, a first cipher algorithm, a second cipher algorithm, a first audio front-end module, a second front-end module, a first DSP interface, a second DSP interface, a first secure communication module, a second secure communication module, a first synchronous communication module, a second synchronous communication module, a first asynchronous communication module, a second asynchronous communication module, a voice communication module, and a data communication module; and

PATENT

said digital signal processor for storing said at least one of said plurality of software modules and for executing said at least one of said plurality of software modules to provide said desired communication type.

9. (Currently Amended) A method for providing configurable functionality to a communication device, comprising:

storing a plurality of software modules, each of said plurality of software modules for providing a specific functionality for said communication device;

receiving a command to set up a communication, said command comprising information relating to a desired type of communication;

selecting at least one of said plurality of software modules based on the desired type of communication, wherein said software modules are selected from the group comprising of a first multi-media module, a second multi-media module, a first cipher algorithm, a second cipher algorithm, a first audio front-end module, a second front-end module, a first DSP interface, a second DSP interface, a first secure communication module, a second secure communication module, a first synchronous communication module, a second synchronous communication module, a first asynchronous communication module, a second asynchronous communication module, a voice communication module, and a data communication module;

loading said at least one of said plurality of software modules into a digital signal processor, said desired type of communication being one of a multimedia communication; and

executing said at least one of said plurality of software modules to provide said desired communication type.

10. (Currently Amended) An apparatus for providing configurable functionality to a communication device, comprising:

means for storing a plurality of software modules, each of said plurality of software modules for providing a specific functionality for said communication device;

PATENT

means for receiving a command to set up a communication, said command comprising information relating to a desired type of communication;

means for selecting at least one of said plurality of software modules based on the desired type of communication, wherein said software modules are selected from the group comprising of a first multi-media module, a second multi-media module, a first cipher algorithm, a second cipher algorithm, a first audio front-end module, a second front-end module, a first DSP interface, a second DSP interface, a first secure communication module, a second secure communication module, a first synchronous communication module, a second synchronous communication module, a first asynchronous communication module, a second asynchronous communication module, a voice communication module, and a data communication module;

means for loading said at least one of said plurality of software modules into a digital signal processor, said desired type of communication being one of a multimedia communication; and

means for executing said at least one of said plurality of software modules to provide said desired communication type.

11. (Currently Amended) An apparatus for providing configurable functionality to a communication device, comprising:

a memory for storing a plurality of software modules, each of said plurality of software modules for providing a specific functionality for said communication device;

a host processor for receiving a command to set up a communication, said command comprising information relating to a desired type of communication, for selecting at least one of said plurality of software modules based on the desired type of communication, and for loading said at least one of said plurality of software modules into a digital signal processor, said desired type of communication being one of a clear communication and a secure communication, wherein said software modules are selected from the group comprising of a first multi-media module, a second multi-media module, a first cipher algorithm, a second cipher algorithm, a first audio front-end module, a second front-end module, a first DSP interface, a second DSP interface, a first secure communication module, a second secure communication

PATENT

module, a first synchronous communication module, a second synchronous communication module, a first asynchronous communication module, a second asynchronous communication module, a voice communication module, and a data communication module; and

said digital signal processor for storing said at least one of said plurality of software modules and for executing said at least one of said plurality of software modules to provide said desired communication type.

12. (Currently Amended) A method for providing configurable functionality to a communication device, comprising:

storing a plurality of software modules, each of said plurality of software modules for providing a specific functionality for said communication device;

receiving a command to set up a communication, said command comprising information relating to a desired type of communication;

selecting at least one of said plurality of software modules based on the desired type of communication, wherein said software modules are selected from the group comprising of a first multi-media module, a second multi-media module, a first cipher algorithm, a second cipher algorithm, a first audio front-end module, a second front-end module, a first DSP interface, a second DSP interface, a first secure communication module, a second secure communication module, a first synchronous communication module, a second synchronous communication module, a first asynchronous communication module, a second asynchronous communication module, a voice communication module, and a data communication module;

loading said at least one of said plurality of software modules into a digital signal processor, said desired type of communication being one of a clear communication and a secure communication; and

executing said at least one of said plurality of software modules to provide said desired communication type.

13. (Currently Amended) An apparatus for providing configurable functionality to a communication device, comprising:

PATENT

means for storing a plurality of software modules, each of said plurality of software modules for providing a specific functionality for said communication device;

means for receiving a command to set up a communication, said command comprising information relating to a desired type of communication;

means for selecting at least one of said plurality of software modules based on the desired type of communication, wherein said software modules are selected from the group comprising of a first multi-media module, a second multi-media module, a first cipher algorithm, a second cipher algorithm, a first audio front-end module, a second front-end module, a first DSP interface, a second DSP interface, a first secure communication module, a second secure communication module, a first synchronous communication module, a second synchronous communication module, a first asynchronous communication module, a second asynchronous communication module, a voice communication module, and a data communication module;

means for loading said at least one of said plurality of software modules into a digital signal processor, said desired type of communication being one of a clear communication and a secure communication; and

means for executing said at least one of said plurality of software modules to provide said desired communication type.